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File 95:TEME-Technology & Management 1989-2003/Jan W2  
(c) 2003 FIZ TECHNIK  
File 139:EconLit 1969-2003/Jan  
(c) 2003 American Economic Association

Set	Items	Description
S1	271922	MERCHANT? ? OR VENDER? OR VENDOR? OR SELLER? OR TRADER? OR SUPPLIER? OR DEALER? ? OR OUTFITTER?
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S3	3099803	UPDATE? OR UP()DATE? OR ALTER??? OR MODIF? OR CHANG? OR VERSIONING OR VERSIONED OR REVIS? OR EDIT OR EDITING OR ADJUST? OR SUPERSED? OR ADD??? OR ADDITIONAL OR UPLOAD? OR INPUT?? OR ENTER???
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S5	767709	BILL?? OR BILLING OR CHARG? OR (STATEMENT? OR NOTICE? OR NOTIFI?) (3N) ((FUNDS OR DOLLARS OR MONEY OR AMOUNT? ? OR S4) (3N) (DUE OR OWED OR OWING))
S6	2470402	INSTRUCT? OR ORDER? OR REQUEST? ? OR COMMAND? OR DIRECTED - OR DIRECTING OR DIRECTION OR DIRECTS OR DEMAND? OR DECREE OR - DICTAT?
S7	2064815	REMOTE? OR (CLICK OR "NOT"()BRICK)()MORTAR OR ELECTRONIC? - OR ONLINE OR CYBER OR VIRTUAL? OR DIGITAL? OR INTERNET OR WEB OR WWW OR COMPUTERI?
S8	17281	ELECTRONIC() FUNDS()TRANSFER OR ELECTRONIC()DATA()INTERCHANGE OR EFT OR EFTS OR EDI OR FEDI OR COMPUTER(1N)COMPUTER()INTERCHANGE
S9	0	((S1(5N)S2)(10N)S3) AND ((S4(5N)S5)(5N)S6)
S10	7	(S1(5N)S2) AND ((S4(5N)S5)(10N)S6)
S11	7	RD (unique items)
S12	0	(S2(5N)S3) AND (S4(5N)S5) AND (S6(5N)S7) NOT S10
S13	78	(S4(5N)S5) AND (S6(5N)S7) NOT S10
S14	6	S13 NOT PY>1991
S15	2204	(S4(5N)S6) AND (S7 OR S8) NOT (S10 OR S14)
S16	27	S15 AND (S2(5N)(S1 OR S3)) NOT (S10 OR S14)
S17	0	S16 NOT PY>1991
S18	556	S15 NOT PY>1991
S19	90	((S4(5N)S6)(10N)(S7 OR S8)) NOT (S10 OR S14 OR S16) NOT PY>1991
S20	90	RD (unique items)
S21	6508860	GENERATE? OR GENERATING OR PRODUCTION? OR PRODUC? OR MAKING OR MAKE OR MADE OR FABRICAT? OR CREAT? OR CONSTRUCT? OR WRITE OR WRITTEN OR INITIAT? OR ORIGINAT? OR IMPLEMENT? OR START?? OR STARTING?
S22	211	((S4(10N)(S6(5N)S21))(S)(S7 OR S8)) NOT (S10 OR S14 OR S16)
S23	35	S22 NOT PY>1991
S24	35	RD (unique items)

11/TI,PD/1 (Item 1 from file: 583)  
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PLN Parepare terapkan sistem online  
Indonesia: PLN to install online system in Parepare  
12 Mar 2002

11/TI,PD/2 (Item 2 from file: 583)  
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Ratiopharm vend ses generiques en ligne  
FRANCE: RATIOPHARM SET UPS MARKETING WEBSITE  
14 Apr 2001

11/TI,PD/3 (Item 3 from file: 583)  
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Ihug video service on fast forward  
NEW ZEALAND: E-MMEDIATE OFFERS ONLINE DELIVERY  
19 Feb 2001

11/TI,PD/4 (Item 4 from file: 583)  
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Internet publisher cuts jobs, predicts upturn  
US: INTERNET PUBLISHER CUTS 20% OF WORKFORCE  
29 Jan 2001

11/TI,PD/5 (Item 5 from file: 583)  
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Internet Banking Makes Its Debut in Costa Rica  
COSTA RICA: BANK OFFERS INTERNET BANKING  
27 Dec 2000

11/TI,PD/6 (Item 6 from file: 583)  
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Otto-Versand bringt Lebensmittel jetzt bundesweit ins Haus  
GERMANY: FOOD VIA THE INTERNET  
05 Oct 2000

11/TI,PD/7 (Item 7 from file: 583)  
DIALOG(R)File 583:(c) 2002 The Gale Group. All rts. reserv.

Abbey goes online  
UK: INTERNET BANK LAUNCHED BY ABBEY NATIONAL  
08 May 2000

14/5/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03751738 INSPEC Abstract Number: A90147508

**Title:** Electronic structure of ordered and disordered Cu/sub 3/Au: the behavior of the Au 5d bands

**Author(s):** Sham, T.K.; Yiu, Y.M.; Kuhn, M.; Tan, K.H.

**Author Affiliation:** Dept. of Chem., Univ. of Western Ontario, London, Ont., Canada

**Journal:** Physical Review B (Condensed Matter) vol.41, no.17 p. 11881-6

**Publication Date:** 15 June 1990 **Country of Publication:** USA

**CODEN:** PRBMDO **ISSN:** 0163-1829

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Experimental (X)

**Abstract:** The electronic behavior of the Au 5d bands in the ordered and disordered Cu/sub 3/Au has been investigated with X-ray-absorption near-edge structure (XANES) and Al K alpha X-ray (1486.6 eV) photoemission (XPS) measurements. The XANES and XPS results clearly show that Au loses 5d character (count) upon the formation of Cu/sub 3/Au in both ordered and disordered phases and that the Au 5d count depletes more in the ordered phase than in the disordered phase. In addition, the Au 5d hole population is found to be nonstatistical ((h/sub 5/2/):(h/sub 3/2/)<1:1) in Cu/sub 3/Au alloys as compared to a near-statistical 5d population ((h/sub 5/2/):(h/sub 3/2/) approximately 2:1) in AuAl/sub 2/ and AuGa/sub 2/ (Au-non-transition-metal compounds). These observations are interpreted on the basis of the **charge - compensation** model. The nonstatistical Au 5d hole distribution derived from XANES together with the photoemission results indicates uneven Au 5d/sub 5/2/ and 5d/sub 3/2/ contribution (relativistic effect) in the Au 5d-Cu 3d interaction in Cu/sub 3/Au. (22 Refs)

**Subfile:** A

**Descriptors:** band structure of crystalline metals and alloys; copper alloys; gold alloys; X-ray photoelectron spectra; XANES

**Identifiers:** electronic structure; ordered; disordered; Au 5d bands; XANES; XPS; Au 5d hole population; **charge - compensation** model; Cu/sub 3/Au

**Class Codes:** A7125P (Band structure of crystalline metals); A7960C (Clean metals); A7870D (X-ray absorption and absorption edges)

**Chemical Indexing:**

Cu3Au bin - Cu3 bin - Au bin - Cu bin (Elements - 2)

14/5/2 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02764258 INSPEC Abstract Number: C86057023

**Title:** Total library integration at Xerox Corporation Technical Information Center. III. Interlibrary loan-a close look at data entry, functions and procedures

**Author(s):** Belli, F.G.; Bement, J.H.; Majcher, M.D.; Neal, A.A.

**Journal:** Online vol.10, no.5 p.98-108

**Publication Date:** Sept. 1986 **Country of Publication:** USA

**CODEN:** ONLIDN **ISSN:** 0146-5422

**Language:** English **Document Type:** Journal Paper (JP)

**Treatment:** Applications (A); Practical (P)

**Abstract:** For pt.II see *ibid.*, vol.10, no.3, p.35 (1986). The Xerox Corporation, Technical Information Center (TIC) has created an integrated library network linking all library functions and document types together. The TIC database system establishes a record for each interlibrary loan transaction which is easily located and maintained. The system can print ALA (American Library Association) request forms, make interlibrary loan requests electronically, return, renew and resubmit a request, store and generate statistics, and provide in-house billing reimburse TIC for

any costs incurred while filling a patron's request. The authors discuss data entry for this record type, followed by functions and procedures including statistics. (2 Refs)

Subfile: C

Descriptors: database management systems; library automation

Identifiers: ALA request forms; Xerox Corporation; Technical Information Center; integrated library network; database system; interlibrary loan transaction; American Library Association; data entry

Class Codes: C6160 (Database management systems (DBMS)); C7210 (Information services and centres)

14/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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02411881 INSPEC Abstract Number: B85021142

Title: Demand subscription service (DSS)-a rate option (load regulation)

Author(s): Pasker, J.I.; Rogers, G.W.

Author Affiliation: Southern California Edison Co., Rosemead, CA, USA

Conference Title: Energy Technology XI. 'Applications and Economics'. Proceedings of the Eleventh Energy Technology Conference p.290-7

Editor(s): Hill, R.F.

Publisher: Government Inst, Rockville, MD, USA

Publication Date: 1984 Country of Publication: USA xxii+1496 pp.

ISBN: 0 86587 012 8

Conference Date: 19-21 March 1984 Conference Location: Washington, DC, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Describes the Demand Subscription Service (DSS) of Southern California Edison electric utility. DSS is a residential load management device that places a limit on the customer's electrical load. It is designed to allow the customer to choose a minimum level of service that would satisfy minimum comfort during critical system peak periods. In return, the customer is compensated by a billing credit reduction which increases as the subscription level of service chosen decreases. In the DSS program, a demand limiting device is remotely controlled and activated during times of system capacity shortages. If the customer's selected level of service is exceeded when the device is activated, service is temporarily shut off. The customer can manually reset the demand controlling device only after reducing household loads to the selected subscription level of service. (0 Refs)

Subfile: B

Descriptors: load regulation; management

Identifiers: remote control; load regulation; load demand; peak load; load regulation; Demand Subscription Service; DSS; Southern California Edison electric utility; residential load management; electrical load; billing credit reduction; demand controlling device; household loads

Class Codes: B0140 (Administration and management); B8110B (Power system management, operation and economics)

14/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01282897 INSPEC Abstract Number: C79002205

Title: Methods of digital computer simulation of electron optical systems

Author(s): Schuler, A.

Author Affiliation: Tech. Univ. Wien, Wien, Austria

Book Title: Progress in cybernetics and systems research, vol.4 p. 528-36

Editor(s): Trappl, R.; Pask, G.

Publisher: Wiley, Chichester, UK

Publication Date: 1978 Country of Publication: UK xii+547 pp.

ISBN: 0 470 99380 4

Language: German Document Type: Book Chapter (BC)

Treatment: Experimental (X)

Abstract: Research work with electron guns for machining, with the aim of concentrating more beam current on to a smaller area and thus increasing the power density in the spot, has shown that for an exact computer simulation of such guns the following factors must be taken into account: (1) the calculation of the electron trajectories must be carried out with the highest possible accuracy, and **consideration** must be made for space-charge and relativistic effects resulting from the high velocity of the particles. (2) The influence of the insulator between anode and cathode plays an important part. An account is given of the results of projects which were carried out on a CDC Cyber 74 computer in order to solve these problems. (11 Refs)

Subfile: C

Descriptors: digital simulation; electron beam machining; electron guns; physics computing

Identifiers: digital computer simulation; electron optical systems; electron guns; machining; electron trajectories; relativistic effects; insulator; space charge

Class Codes: C7320 (Physics and Chemistry)

14/5/5 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01232662 INSPEC Abstract Number: B78037659

Title: **Equivalent gain forms for CTD filters**

Author(s): White, S.A.

Author Affiliation: Electronics Res. Center, Rockwell Internat., Anaheim, CA, USA

Conference Title: Eleventh Annual Asilomar Conference on Circuits Systems and Computers p.41-4

Publisher: IEEE, New York, NY, USA

Publication Date: 1978 Country of Publication: USA x+492 pp.

Conference Sponsor: Univ. Santa Clara; Naval Postgraduate School; IEEE

Conference Date: 7-9 Nov. 1977 Conference Location: Pacific Grove, CA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T)

Abstract: There are three equivalent forms for expressing the gains of transversal analog filters which are mechanized with charge-transfer devices (CTDs). Due to charge-transfer inefficiency (CTI),  $\eta$ , the equivalence of expression is not obvious. This paper presents a simple tabulation of equivalences, their uses, and their derivations. This problem and solution also extend to include the recursive case. Arbitrary discrete-time recursive transfer functions are often mechanized **digitally** as second-order sections. Equivalent analog realization using charge-transfer devices cannot use the same gain parameters because of the effects (again) of charge-transfer inefficiency. This paper further includes an expression for corrected gains to **compensate** for this charge-transfer inefficiency in the recursive structure. (4 Refs)

Subfile: B

Descriptors: charge-coupled device circuits; filters

Identifiers: CTD filters; equivalent gain forms; discrete time recursive transfer functions; charge transfer inefficiency

Class Codes: B1270 (Filters and other networks); B2570H (Other field effect integrated circuits)

14/5/6 (Item 1 from file: 474)

DIALOG(R) File 474:New York Times Abs

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00750712 NYT Sequence Number: 021490770621

NYS Sup Ct Justice Albert A Oppido, in class-action suit brought by 6 Long Beach, NY, residents, rules water rates charged by city are not unreasonable, but manner of billing residents for water and sewer service on basis of estimates is illegal. Justice Albert A Oppido enjoins city from terminating service or imposing penalties or liens on residents who have failed to pay bills sent out in Jan '77. Directs city, which replaced flat rates with bills based on metering, to inspect, correct and seal all meters and calibrate remote recorders. Also orders City Council to immediately enact equitable method of billing (M).)

SILVER, ROY R

New York Times, Col. 4, Pg. 37

Tuesday June 21 1977

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: SUPREME COURT (STATE)

DESCRIPTORS: WATER; CLASS-ACTION SUITS; DECISIONS AND VERDICTS; METERS; RATES; SEWAGE AND INDUSTRIAL WASTES (LIQUID WASTES); SUITS AND LITIGATION

PERSONAL NAMES: SILVER, ROY R; OPPIDO, ALBERT (JUSTICE)

GEOGRAPHIC NAMES: LONG BEACH (NY); NEW YORK CITY METROPOLITAN AREA

24/3,K/1 (Item 1 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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1012575 ORDER NO: AAD88-08690

**PART I: STATISTICAL MECHANICAL STUDY OF THE PROFILE OF A FUSED SALT NEAR A WALL. PART II: ULTRAVIOLET RESONANCE RAMAN STUDIES OF BENZENE DERIVATIVES**

Author: LI, SHIJIAN  
Degree: PH.D  
Year: 1987  
Corporate Source/Institution: UNIVERSITY OF OREGON (0171)  
Source: VOLUME 49/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1196. 423 PAGES

...the spectra, in excellent agreement with the best prior results for most benzene derivatives, is made according to the first order vibronic theory and anharmonicity consideration. Assignment of a few transitions are corrected on the basis of these results. It is found that the perturbation by the substituents to the  $\pi \rightarrow \pi^*$  electronic transitions is small. The substituent perturbation theory of Petruska is expanded and applied to the...

24/3,K/2 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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899664 ORDER NO: AAD85-25774

**EVALUATION, IMPLEMENTATION, AND ENHANCEMENT OF THE DISPATCH STACK INSTRUCTION ISSUING MECHANISM (COMPUTER, ARCHITECTURE, SCHEDULING)**

Author: ACOSTA, RAMON DELFIN  
Degree: PH.D.  
Year: 1985  
Corporate Source/Institution: CORNELL UNIVERSITY (0058)  
Source: VOLUME 46/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 3155. 153 PAGES

Processors with multiple functional units, such as CRAY-1, Cyber 205, and FPS 164, are often used in performing large scientific computations. Much effort has been put into enhancing the throughputs of such processors. One critical consideration in their design is the identification and implementation of a suitable instruction issuing scheme. Existing approaches do not issue enough instructions per machine cycle to fully utilize...

24/3,K/3 (Item 1 from file: 583)  
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04646318

Diploma to make higher payout  
UK - DIPLOMA PRE-TAX PROFIT FALLS  
Times (TS) 19 November 1991 p22

Diploma, electronic and building components concern, had GBP14.5 mil pre-tax profit in the year to...

... in the year-earlier period. The fall was blamed on the worsening recession. Diploma's electronics business had GBP6.2 mil pre-tax profit, down 19%, while building components also had...

... positive, in spite of two years' corporation tax payment for three big units. Diploma's electronic components turnover reflected the state of that sector, with prices falling 13% during the year due to static demand. Diploma will make a GBP0.065 final payment dividend, vs GBP0.0625.

24/3,K/4 (Item 2 from file: 583)  
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03728596  
BARCLAYS BANK INTRDOUCES EDI TRADING MASTER  
UK - BARCLAYS BANK INTRDOUCES EDI TRADING MASTER  
Banking Technology (BTY) 0 September 1990 p57  
ISSN: 0266-0865

Barclays Bank has launched the EDI Trading Master, an electronic settlement system. It will allow clients with EDI capabilities to transmit payment instructions to Barclays, which will then make the payment and transmit details to recipients.

24/3,K/5 (Item 3 from file: 583)  
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02090037  
GULF BANK TO INTRODUCE HOME BANKING SERVICE  
KUWAIT - GULF BANK TO INTRODUCE HOME BANKING SERVICE  
Middle East Economic Digest (MEED) 19 August 1988 p11  
ISSN: 0047-7238

... the second part of a home banking service, enabling customers to check balances and issue payment instructions, following the implementation of a telephone banking system, which Gulf Bank has recently introduced. The service enables customers...

... account information via telephone from a speaking computer. National Bank of Kuwait has launched a computerised cash transfer system, to enable customers to send electronic instructions directly to its branch in New York. The service is known as Watani International...

24/3,K/6 (Item 4 from file: 583)  
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02034287  
NEDO ADVISES ELECTRONICS FIRMS TO CENTRALISE ON CORE MARKETS  
UK - NEDO ADVISES ELECTRONICS FIRMS TO CENTRALISE ON CORE MARKETS  
Computer Weekly (CRW) 28 July 1988 p11  
ISSN: 0010-4787

Domestic market share of electronics companies will fall by 50% by 1991, claims National Economic Development Office (NEDO). The report...

...the period 1976 to 1986 market share has fallen from 50% to 33%, and UK electronics companies' increased dependence upon extended defence and telecommunications projects has damaged them. The management structure...

... London. McKinsey identifies the fact that the software skills will have to be developed if electronics companies are to realise their plans to become large scale systems integraters. However, companies are...

... the financial market, correct the over-reaction to short-term focus; to concentrate on core electronics business in order to develop enough size to compete viably worldwide; reemphasis of human resources development and compensate for deficiencies in UK education, thereby creating skills of world class order.



24/3,K/7 (Item 5 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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01820331  
HOME SHOPPING RECEIVES FAVOURABLE RESPONSE  
FRANCE - HOME SHOPPING RECEIVES FAVOURABLE RESPONSE  
LSA (LSA) 25 March 1988 p18  
ISSN: 0024-2632  
Language: French

...results of a survey by Mercatel and LSA. 58.4% of people are prepared to pay for the delivery of products ordered by phone or minitel, but 88.2%, 85.8% and 85.8% believe that insurance, financial and consumer electronics products are not suitable for home shopping services. 63.3% are prepared to buy products...

24/3,K/8 (Item 6 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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01068446  
EDICON TO PROMOTE COMPUTERISED DATA COMMUNICATION STANDARDS  
UK - EDICON TO PROMOTE COMPUTERISED DATA COMMUNICATION STANDARDS  
Building (BG) 8 May 1987 p65  
ISSN: 0007-3318

Electronic Data Interchange in the Construction Industry (EDICON), has been formed by Trafalgar House and John Laing. Aim...

... ordering in the areas: manufacture, sales, delivery and storage of products; specification and selection of products ; payment , ordering and costing of goods and services, and control and technical direction of building processes. Membership...

24/3,K/9 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6907380 INSPEC Abstract Number: C2001-06-7120-011  
Title: Strategic implications of an emerging cashless society in the US  
Author(s): Mehta, S.  
Journal: Electronic Markets vol.9, no.1-2 p.93-103  
Publisher: Routledge,  
Country of Publication: UK  
ISSN: 1019-6781  
SICI: 1019-6781()9:1/2L.93:SIIEC;1-2  
Material Identity Number: F273-2001-003  
Language: English  
Subfile: C  
Copyright 2001, IEE

...Abstract: into how payment acceptance differentiation continues to play a role in a consumer's decision-making process. As demand for electronic payment rises, retailers are urged to revisit the influence that payment acceptance has on their industry.

24/3,K/10 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
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04088954 INSPEC Abstract Number: A9206-8736-007

**Title:** Low-frequency energy deficit in electrolaryngeal speech  
**Author(s):** Yingyong Qi; Weinberg, B.  
**Author Affiliation:** Arizona Univ., Tucson, AZ, USA  
**Journal:** Journal of Speech and Hearing Research vol.34, no.6 p. 1250-6  
**Publication Date:** Dec. 1991 **Country of Publication:** USA  
**CODEN:** JSPHAH **ISSN:** 0022-4685  
**U.S. Copyright Clearance Center Code:** 0022-4685/91/3406-1250\$01.00/0  
**Language:** English  
**Subfile:** A

...Abstract: determine the relative strength of low-frequency energy in the output of one widely used **electronic** artificial larynx (Servox) and (b) to assess the relative strength of low-frequency energy in...

... by users of this type of artificial larynx. The authors hypothesized that the outputs of **electronic** artificial larynges and the vowels produced by laryngectomized users of these devices would be characterized by significant deficits in low-frequency energy level. Five users of **electronic** larynges and 10 normal speakers (5 female and 5 male) provided the speech samples. Results...

...significant deficit in low-frequency energy both in the acoustic signals generated by a Servox **electronic** larynx and in vowels produced by laryngectomized users of this type of **electronic** larynx. Based on these findings, a second **order** filter was designed and **implemented digitally** to **compensate** for the observed deficit in low-frequency energy. It is concluded that consideration for enhancing...

24/3,K/11 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
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03927844 INSPEC Abstract Number: A91085196, C91045821  
**Title:** New adaptive online modeling technique for active noise control systems  
**Author(s):** Tapia, J.; Kuo, S.M.  
**Author Affiliation:** Dept. of Electr. Eng., Northern Illinois Univ., DeKalb, IL, USA  
**Conference Title:** IEEE International Conference on Systems Engineering (Cat. No.90CH2871-0) p.280-3  
**Publisher:** IEEE, New York, NY, USA  
**Publication Date:** 1990 **Country of Publication:** USA xviii+640 pp.  
**U.S. Copyright Clearance Center Code:** CH2872-0/90/0000-0280\$01.00  
**Conference Sponsor:** IEEE; Wright State Univ.; Carnegie-Mellon Univ  
**Conference Date:** 9-11 Aug. 1990 **Conference Location:** Pittsburgh, PA, USA  
**Language:** English  
**Subfile:** A C

**Abstract:** An adaptive **online** modeling technique for active noise control systems is presented and discussed. Changes in the environment produced by different extreme weather conditions and aged transducers **make online** modeling necessary in **order to make** the system track and **compensate** for those changes. This technique does not use an auxiliary source for modeling, and the...

24/3,K/12 (Item 4 from file: 2)  
DIALOG(R)File 2:INSPEC  
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03853560 INSPEC Abstract Number: B91023639, C91021992  
**Title:** Multi signal processor systems for acoustical echo control  
**Author(s):** Fleischmann, G.; Frenzel, R.; Hatty, B.; Bjarnason, E.

Author Affiliation: Inst. fuer Netzwerk- und Signaltheorie, Tech.  
Hochschule Darmstadt, West Germany  
Conference Title: 1990 IEEE International Symposium on Circuits and  
Systems (Cat. No.90CH2868-8) p.1430-3 vol.2  
Publisher: IEEE, New York, NY, USA  
Publication Date: 1990 Country of Publication: USA 4 vol. xxxix+3289  
pp.  
U.S. Copyright Clearance Center Code: CH2868-8/90/0000-1430\$01.00  
Conference Sponsor: IEEE  
Conference Date: 1-3 May 1990 Conference Location: New Orleans, LA,  
USA  
Language: English  
Subfile: B C

Abstract: Two multi- **digital** -signal-processor systems for high-speed  
signal processing are presented. Both systems can be configured...

... in hands-free telephone equipment. One system is based on the DSP32  
floating-point DSP ( **digital** signal processor) from AT&T. Monitoring and  
debugging is done with a standard PC system...

... an 80186 AMS-M-Bus microcomputer board. The architectures are designed  
to support efficient parallel **implementations** of high- order adaptive  
algorithms and of multirate systems for echo **compensation** in frequency  
subbands (i.e. block processing).

24/3,K/13 (Item 5 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03844023 INSPEC Abstract Number: B91018202, C91021445  
**Title: Vibration suppression of a Puma 560 robot using adaptive control**  
Author(s): Bose, S.; Chiu, B.-N.  
Author Affiliation: Dept. of Mech. Eng., Utah State Univ., Logan, UT, USA  
  
Conference Title: Proceedings of Manufacturing International '90 p.  
219-24 vol.4  
Editor(s): Fisher, E.; Moodie, C.L.; Martin-Vega, L.A.; McGinnis, L.;  
Sanii, E.T.  
Publisher: ASME, New York, NY, USA  
Publication Date: 1990 Country of Publication: USA 5  
vol. (vii+309+x+141+ix+79+vi+258+vi+177) pp.  
ISBN: 0 7918 0466 6  
Conference Sponsor: ASME; IEEE; IIE  
Conference Date: 25-28 March 1990 Conference Location: Atlanta, GA,  
USA  
Language: English  
Subfile: B C

Abstract: An **online** adaptive control algorithm has been developing,  
using an autoregressive (AR) model to reduce the tracking...  
... structural vibration. The AR model is used to forecast the error in  
tracking, and a **command** signal is **generated** to **compensate** for the  
error, to improve tracking performance. The algorithm was tested by  
simulation for random...

... proposed for a vibration suppression unit that can be mounted on the  
end-effector for **online** modification of trajectory, to minimize tracking  
error at high speeds. An **online** implementation scheme is also proposed.

24/3,K/14 (Item 6 from file: 2)  
DIALOG(R)File 2:INSPEC  
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03748625 INSPEC Abstract Number: D90002776

**Title: Ensnared in the EDI web (banks)**

Author(s): Horten, M.

Journal: Banking Technology p.22-6

Publication Date: Sept. 1990 Country of Publication: UK

CODEN: BATEEM ISSN: 0266-0865

Language: English

Subfile: D

**Abstract:** The application of **EDI** for payment information impinges on the sensitive areas of the bank's relationship with its...

...customers and interbank competition versus cooperation. This sensitivity will determine the way the banks provide **EDI** services for their customers, who are beginning to demand it in many countries in Europe as well as the US. Prospective **EDI** clients tend to be those who are already **implementing** it for invoicing and **ordering** and want to complete the **payment** cycle **electronically**. Now the main debate is how to structure the network.

24/3,K/15 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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03746073 INSPEC Abstract Number: D90002789

**Title: Barclays offers electronic settlement facility**

Journal: Electronic Banking & Finance p.2-3

Publication Date: Sept. 1990 Country of Publication: Netherlands

CODEN: EBFIE4 ISSN: 0265-9239

U.S. Copyright Clearance Center Code: 0265-9239/90/\$0.00+2.20

Language: English

Subfile: D

**Abstract:** Barclays Bank has launched **EDI** Trading Master, a new service for customers already using or planning to use **electronic data interchange** (**EDI**), or paperless trading. Using standardized messages, **EDI** -capable companies can communicate computer-to-computer for the purpose of **ordering products**, raising purchase orders and sending invoices and instructions for **remittance**. What **EDI** cannot do, however, is settle payment, which is why Barclays has introduced **EDI** Trading Master. Using this service, with its internationally agreed standard messages, a customer sends payment...

24/3,K/16 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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03596438 INSPEC Abstract Number: D90000969

**Title: Clearing the City's streets**

Author(s): Whybrow, M.

Journal: Banking Technology p.14-16

Publication Date: Feb. 1990 Country of Publication: UK

CODEN: BATEEM ISSN: 0266-0865

Language: English

Subfile: D

**Abstract:** The Bank of England is preparing to introduce the Central Moneymarkets Office an **electronic** book entry transfer system for sterling instruments. The CMO basically comprises two elements. There will...

... building society certificates of deposit; and commercial paper. The second element of the system, an **electronic** book-entry transfer system will allow the instruments to be transferred between members of the service and will also facilitate the creation of associated **payment**

instructions which will be notified to each member's settlement bank for payment that day.

24/3,K/17 (Item 9 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03574859 INSPEC Abstract Number: C90023079  
Title: **An online production planning system for flexible manufacturing**  
Author(s): Alikov, A.I.; Penek, Ya. D.; Volotsenko, P.V.  
Journal: Soviet Engineering Research vol.8, no.7 p.75-8  
Publication Date: 1988 Country of Publication: USA  
CODEN: SORSDW ISSN: 0144-6622  
Language: English  
Subfile: C

...Abstract: situation, and other organizational and technical factors. It is recommended that technological decisions be taken **online** to suit the actual production situation, and so changes occurring during production can be compensated. Chart-based production planning procedures can be implemented in the period between receipt of the **order** and dispatch of the **product** to the customer. If **compensation** for changes is included in these procedures, flexibility of production should be increased. A PP...

24/3,K/18 (Item 10 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02889817 INSPEC Abstract Number: D87001548  
Title: **GEISCO, Racal using financial systems security deal**  
Journal: Electronic Banking & Finance vol.4, no.2 p.6-8  
Publication Date: April 1987 Country of Publication: Netherlands  
CODEN: EBFIE4 ISSN: 0265-9239  
Language: English  
Subfile: D

...Abstract: The first application is on the Money Transfer System, which allows banks' corporate customers to **generate payment instructions** using their own computers. Each authorizing officer is issued with a Watchword generator which computes his '**digital signature**'. Precautions against fraud include providing users with two PINs-one for normal use and ...

24/3,K/19 (Item 11 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02832407 INSPEC Abstract Number: C87019190  
Title: **Obtaining information on quality of digital data (geographic information systems)**  
Author(s): Chrisman, N.R.  
Author Affiliation: Dept. of Landscape Archit., Wisconsin Univ., Madison, WI, USA  
Conference Title: Proceedings of Auto Carto London. International Conference on the Acquisition, Management and Presentation of Spatial Data p.350-8 vol.1  
Editor(s): Blakemore, M.  
Publisher: Auto Carto London, London, UK  
Publication Date: 1986 Country of Publication: UK 2 vol. 597+565 pp.  
ISBN: 0 85406 312 9  
Conference Sponsor: ICL; Laserscan Labs.; SysScan U.K  
Conference Date: 14-19 Sept. 1986 Conference Location: London, UK  
Language: English

Subfile: C

...Abstract: quality information with particular reference to sources. Many systems developers believe that quality information will **make enormous demands**, and that the user may be unwilling to **pay** for such extravagance. This paper provides a counterargument, maintaining that quality information is currently processed and maintained. **Digital cartography** usually proceeds on the presumption that the manual system is hopelessly outdated and encrusted...

24/3,K/20 (Item 12 from file: 2)  
DIALOG(R)File 2:INSPEC  
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02435317 INSPEC Abstract Number: D85001090

**Title: EFT and the law**  
Author(s): Laidlaw, A.  
Journal: Banking World vol.3, no.3 p.39-40  
Publication Date: March 1985 Country of Publication: UK  
CODEN: BAWOEX ISSN: 0737-6413  
Language: English  
Subfile: D

Abstract: **Computerised** money transmission, including ATMs, home banking and EFTPOS is now taken for granted. There are...

...of funds by a 'gateway', but only after receipt by the bank of a valid **originating instruction to pay**. It is possible that the world's major banks will continue to regulate these systems...

24/3,K/21 (Item 13 from file: 2)  
DIALOG(R)File 2:INSPEC  
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02075819 INSPEC Abstract Number: C83026362

**Title: Direct Z-domain compensator design**  
Author(s): Tollison, D.K.; Mitchell, J.R.  
Author Affiliation: Control Dynamics Co., Huntsville, AL, USA  
Conference Title: IEEE SOUTHEASTCON '83 Conference Proceedings p.554-8  
Publisher: IEEE, New York, NY, USA  
Publication Date: 1983 Country of Publication: USA 646 pp.  
U.S. Copyright Clearance Center Code: CH1899-4/83/0000-0554\$1.00  
Conference Date: 11-14 April 1983 Conference Location: Orlando, FL, USA  
Language: English  
Subfile: C

Abstract: **Digital** compensator design traditionally has been accomplished by first producing a w-plane design and utilizing classical techniques. A bilinear transformation is then necessary to generate the **digital** compensator. In this paper analytical techniques for direct Z-domain design of **digital compensators** are presented. General first and second order **compensators** are produced, as well as special cases of these-including dominant pole, PID, and deadbeat response compensators...

24/3,K/22 (Item 14 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01981936 INSPEC Abstract Number: C83005597

**Title: Computer system performance modelling using hybrid techniques**  
Author(s): Ali, M.S.

University: Univ. Nottingham, UK  
Dissertation Date: 1982  
Country of Publication: UK  
Language: English  
Subfile: C

...Abstract: methods. Simulation is used to construct those sub-models where details such as real time **consideration** are required, but **make** heavy **demands** in the use of computing time. Analytical methods are used where approximate results are sufficient...

... use less computing time. In this thesis, an existing hybrid computer performance model for non- **virtual** memory systems is extended, using an analytical methods, to enable it to model **virtual** memory systems. A new workload simulation method is developed, validated, and added to the model ...

24/3,K/23 (Item 15 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01846628 INSPEC Abstract Number: C82018575  
**Title: Ergonomics: considering human factors**  
Author(s): Freiburger, P.  
Journal: InfoWorld vol.3, no.23 p.18-19  
Publication Date: 26 Oct. 1981 Country of Publication: USA  
CODEN: INWODU ISSN: 0199-6649  
Language: English  
Subfile: C

Abstract: **Electronic** devices have improved in quality so quickly that it is becoming increasingly difficult to determine the difference in usefulness of **products** from different firms. In order to draw distinctions for consumers, companies have begun to **pay** more attention to users' needs and comfort. Computer terminals that are comfortable to use as ...

24/3,K/24 (Item 16 from file: 2)  
DIALOG(R)File 2:INSPEC  
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01816451 INSPEC Abstract Number: C82013067  
**Title: Mechanical engineering with CAD**  
Author(s): Catier, E.  
Journal: Electronique Industrielle no.19 p.71-80  
Publication Date: 1 Sept. 1981 Country of Publication: France  
CODEN: EIDUDA ISSN: 0244-903X  
Language: French  
Subfile: C

...Abstract: independent software or a complete hardware/software package. Leasing systems where time used by a remote terminal on a central system is **paid** for by the hour is also mentioned. Particular **products** are compared in order to give an overall view of the market.

24/3,K/25 (Item 17 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01552270 INSPEC Abstract Number: C80024632  
**Title: Production flow simulation in interlinking manufacturing processes**  
Author(s): Vettin, G.  
Author Affiliation: IPA, Stuttgart, West Germany

Journal: Maschinenmarkt vol.86, no.9 p.147-50  
Publication Date: 29 Jan. 1980 Country of Publication: West Germany  
CODEN: MAMKAK ISSN: 0025-4509  
Language: German  
Subfile: C

Abstract: **Production** planning and control **demands** **consideration** of interrelated requirements including work piece data, machine tool types and quantities, inspection, intermediate processing...

... capital expenditure of automated production necessitates careful planning and organisation of production flow. A versatile **digital** modular production simulator using FORTRAN IV and simulating the production sequence is described. Principles are...

24/3,K/26 (Item 18 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01212092 INSPEC Abstract Number: C78018042  
**Title: Electronic funds transfer systems: realities and prospects in Europe**  
Author(s): Leveque, M.J.  
Conference Title: Convention Informatique 1977 (Information Convention 1977) p.72-80  
Publisher: Convention Informatique, Paris, France  
Publication Date: 1977 Country of Publication: France 283 pp.  
Conference Date: 20-23 Sept. 1977 Conference Location: France  
Language: French  
Subfile: C

Abstract: **EFTS** has superseded M.I.S. (Management Information Systems) as one of the major topics of the day in all American banking and data processing magazines. Two categories of **EFTS** must be distinguished: interbank payment systems and individual payment systems. Both have a common objective which is to progressively reduce, until complete elimination, the paper flow **generated** by current **payment** systems in **order** to cut the cost of transactions processing. During the last decade, in Europe as in...

24/3,K/27 (Item 19 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

00980822 INSPEC Abstract Number: B76045683, C76028135  
**Title: Second-order recursive digital filter using delta modulation**  
Author(s): Hosokawa, S.; Yamashita, K.  
Author Affiliation: Dept. of Electrical Engng., Osaka City Univ., Osaka, Japan  
Journal: Memoirs of the Faculty of Engineering, Osaka City University  
vol.16 p.63-72  
Publication Date: Dec. 1975 Country of Publication: Japan  
CODEN: MFEOAR ISSN: 0078-6659  
Language: English  
Subfile: B C

Abstract: Describes second-order recursive **digital** filters using delta modulation coders. The required functions for the coders are considered. Computer simulation results that tend to confirm the above **consideration** are presented. A sinusoidal signal generator **constructed** from the second- **order** recursive **digital** filter is proposed.

24/3,K/28 (Item 20 from file: 2)



DIALOG(R)File 2:INSPEC

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00641719 INSPEC Abstract Number: A74030468, C74013383

**Title: Highly sensitive autocollimator with automatic aiming**

Author(s): Boguslavskii, M.G.; Vol'pert, V.Ts.; Sharova, E.E.; Eliashberg, V.M.

Journal: Izmeritel'naya Tekhnika vol.16, no.6 p.25-6

Publication Date: June 1973 Country of Publication: USSR

CODEN: IZTEAW ISSN: 0021-3349

Translated in: Measurement Techniques vol.16, no.6 p.830-2

Publication Date: June 1973 Country of Publication: USA

CODEN: MSTCAL ISSN: 0543-1972

Language: English

Subfile: A C

...Abstract: arrangement. Unfortunately, the accuracy of these instruments is only 2% of the measuring range. In order to make full use of automatic compensation, especially in precision measurements (to within several hundredths of one angular second), the instrument must...

... The new vibrator design, allowing the vibrator to serve also as the compensator, and an electronic (transistorized) automatic compensation circuit, have reduced the aiming error to  $\pm 0.01''$ .

24/3,K/29 (Item 21 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

00364827 INSPEC Abstract Number: C72007240

**Title: Numerically controlled machine tool**

Assignee(s): Siemens, AG

Patent Number: GB 1252689 Issue Date: 711110

Application Date: 690820

Priority Appl. Number: DE P1763882.3 Priority Appl. Date: 680829

Country of Publication: UK

Language: English

Subfile: C

...Abstract: a system for compensating for tool radius. The control system operators in accordance with the digital difference analyser method which employs an internal interpolator and an interpolator for adding tool radius...

... multipliers for each integrand of the internal interpolator by the integrand associated with a further direction of cut with pulses produced in dependence on difference products to which tool radius compensation pulses are added in a mixer.

24/3,K/30 (Item 22 from file: 2)

DIALOG(R)File 2:INSPEC

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00007149 INSPEC Abstract Number: A69005169

**Title: Light generation by liquid solutions of organic dyes**

Author(s): Dyadyusha, G.G.; Tikhonov, E.A.; Shpak, M.T.

Journal: Ukrayins'kyi Fizychnyi Zhurnal vol.13, no.9 p.1529-37

Publication Date: 1968 Country of Publication: Ukrainian SSR, USSR

CODEN: UFIZAW ISSN: 0503-1265

Language: Russian

Subfile: A

...Abstract: scattering. Calculations show that under comparable conditions the threshold amplification factor is by 5-6 orders higher

than that originating in the system under consideration due to the process of resonance stimulated Raman scattering (RSRS). However, since the optimal conditions...

... generation mechanism due to the population inversion of vibrational sublevels of the ground and excited electronic states is experimentally verified.

24/3,K/31 (Item 1 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2003 The New York Times. All rts. reserv.

01265406 NYT Sequence Number: 083842831031  
Knight-Ridder Newspapers formally starts up Viewtron, nation's first two-way home electronic information system, in Miami Beach; customers paying \$600 for terminal made by AT&T can issue instructions to Viewtron that include selecting news items, playing games, ordering airplane tickets, checking sports scores and making deductions from checking account to pay bills (M))  
New York Times, Col. 3, Pg. 6, Sec. 4  
Monday October 31 1983

Knight-Ridder Newspapers formally starts up Viewtron, nation's first two-way home electronic information system, in Miami Beach; customers paying \$600 for terminal made by AT&T can issue instructions to Viewtron that include selecting news items, playing games, ordering airplane tickets, checking sports scores...

24/3,K/32 (Item 2 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2003 The New York Times. All rts. reserv.

01042873 NYT Sequence Number: 080814801110  
Strike by 10,000 workers in Tel Aviv, Israel, virtually shuts down city services Nov 9 as employees demand that city start paying monthly salaries on time (S).)  
United Press International  
New York Times, Col. 4, Pg. 3  
Monday November 10 1980

Strike by 10,000 workers in Tel Aviv, Israel, virtually shuts down city services Nov 9 as employees demand that city start paying monthly salaries on time (S).)...

24/3,K/33 (Item 3 from file: 474)  
DIALOG(R)File 474:New York Times Abs  
(c) 2003 The New York Times. All rts. reserv.

00687026 NYT Sequence Number: 047862760730  
FBI reptdly delayed for 8 days its rept to police that 1 of its paid informers had burglarized Denver office of Socialist Workers Party. Reptdly decided to allow Theodore Rosack, head of Denver bur office, to tell what he knew of burglary only after informer, Timothy Redfearn, was arrested in connection with unrelated burglary. Unnamed Justice Dept official suggests bur's decision to come forth resulted from fear that Redfearn himself might tell police about burglary, which occurred on July 7. Fed dist judge in NYC orders bur to produce files on Redfearn's 5-yr career as paid informer. Redfearn is on probation in connection with 3d, nonpol burglary. He reptdly has passed polygraph exam. In separate matter, Govt attys tell Fed judge that CIA needs more time to decide if it can give judge unexpurgated documents concerning apparent burglaries and electronic surveillance of Amers abroad (M).)  
CREWDSON, JOHN M

New York Times, Col. 1, Pg. 9, Sec. 1  
Friday July 30 1976

...might tell police about burglary, which occurred on July 7. Fed dist judge in NYC orders bur to produce files on Redfearn's 5-yr career as paid informer. Redfearn is on probation in connection with 3d, nonpol burglary. He reptonly has passed...

...more time to decide if it can give judge unexpurgated documents concerning apparent burglaries and electronic surveillance of Amers abroad (M)... .

24/3,K/34 (Item 1 from file: 475)  
DIALOG(R)File 475:Wall Street Journal Abs  
(c) 2003 The New York Times. All rts. reserv.

05783523  
**TANDY'S MCDUFF UNIT AGREES TO PAY A FINE IN CASE ON AD CLAIMS**  
Wall Street Journal, Col. 6, Pg. 17, Sec. 1  
Friday December 28 1990

ABSTRACT:

McDuff **Electronics** division of Tandy Corp agrees to pay \$15,000 fine and refrain from making misleading advertising claims in order to settle suit by Texas attorney general concerning sales prices (S)

24/3,K/35 (Item 1 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2003 The HW Wilson Co. All rts. reserv.

1875798 H.W. WILSON RECORD NUMBER: BAST91038628  
**Relief for your order entry headaches**  
Kay, Emily;  
Datamation v. 37 (July 1 1991) p. 51-2  
DOCUMENT TYPE: Feature Article ISSN: 0011-6963

...ABSTRACT: firm CSC Index's Jack Calhoun. After Hitachi Metals America installed a company-wide integrated order management system produced by Ross Systems, it cut its 3-week payment process down to 1 day and doubled its sales per employee, according to Stuart Kirk, MIS director at Hitachi. Other companies, such as Hewlett-Packard, **Digital** Equipment, SPS Technologies, and ICI Canada, have also realized the need for improved response time...